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(71) Applicant (for all designated States except US): EURO-CELTIQUE S.A. [LU/LU]; 122 Boulevard de la Petrusse, L-2330 Luxembourg (LU).

(72) Inventor; and

(75) Inventor/Applicant (for US only): STUMPF, Andreas [DE/US]; 5504 Aspen Street, Dublin, CA 94568-7678 (US).

(74) Agents: ABRAMS, Samuel, B. et al.; Jones Day, 222 East 41st Street, New York, NY 10017-6702 (US).

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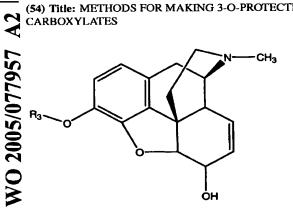
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(54) Title: METHODS FOR MAKING 3-O-PROTECTED MORPHINONES AND 3-O-PROTECTED MORPHINONE DIENOL CARBOXYLATES

(I)



(57) Abstract: Disclosed are methods for making aldehydes and ketones comprising allowing the corresponding primary or secondary alcohol to react in the presence of trichoroisocyanuric acid, a compound of formula R₁SR₂ and a base. In one embodiment, the alcohol is a compound of formula (I) wherein R₃ is a protecting group. Also disclosed are methods for making 3-O-protected morphine dienol carboxylates comprising allowing a compound of formula (I) to oxidize in the presence of a chlorine-containing compound and a compound of formula R₁SR₂; and allowing the product of the oxidation step to react with an acylating agent.